



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/644,023 Confirmation No.: 5184
Applicant : CAI, Lujing
Filed : August 20, 2003
TC/A.U. : 2681
Examiner : Unknown

Docket No. : 56162.000463
Customer No. : 21967

Commissioner for Patents
U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicant respectfully submits the following documents for the Examiner's consideration. A copy of Form PTO-1449 listing the references is enclosed for the Examiner's convenience. The references cited in the attached PTO-1449 were cited in an International Search Report in the corresponding international application. A copy of the International Search Report is also enclosed.

Applicant respectfully requests that the Examiner consider the enclosed references and that the Examiner indicate that the references have been

considered in this application by returning a copy of the Form PTO-1449 with the Examiner's initials in the left column per MPEP 609.

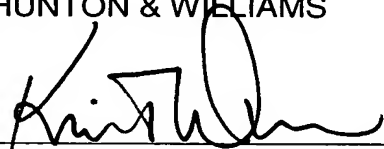
This Information Disclosure Statement is submitted before the receipt of the first office action based on the merits of the application. Further, each item of information contained in the Information Disclosure Statement filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Accordingly, no fees are due. However, if any fees are incurred upon the filing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS

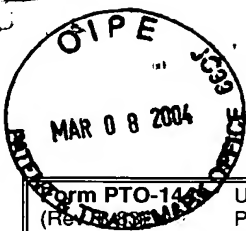
Date: March 8, 2004

By:



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Atty. Docket No.: 56162.000463
Serial No.: 10/644,023

Form PTO-14 (Rev. 10-1999)
U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.:
56162.000463

Serial No.:
10/644,023

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant:
Lujing CAI

Filing Date:
August 20, 2003

Group:
2681

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	5,486,825	1/23/1996	Cole			
	US 2001/0031017	10/18/2001	Betts			
	4,980,897	12/25/1990	Decker et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Asymmetric digital subscriber line (ADSL) transceivers," G.992.1, International Telecommunication Union, 06/1999, pp.42-52
	TANAKA, Hirokazu et al., "An Application of Trellis Coded Modulation to Digital Microwave Radio and Its Performance," IEEE, 5/23/1993, pp. 128-132
	International Search Report

Examiner:

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.